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FIG. 1

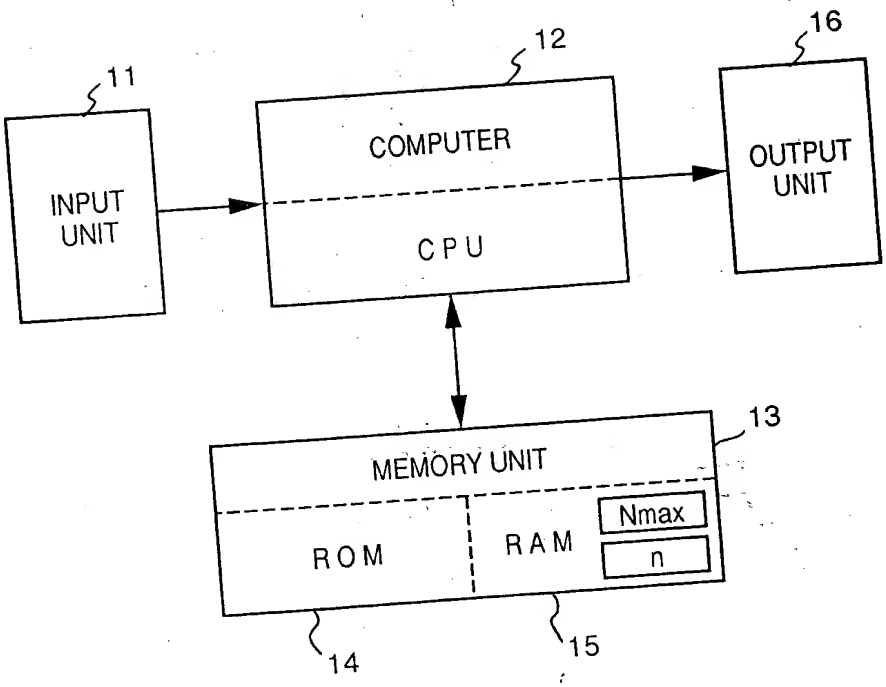

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FIG. 2

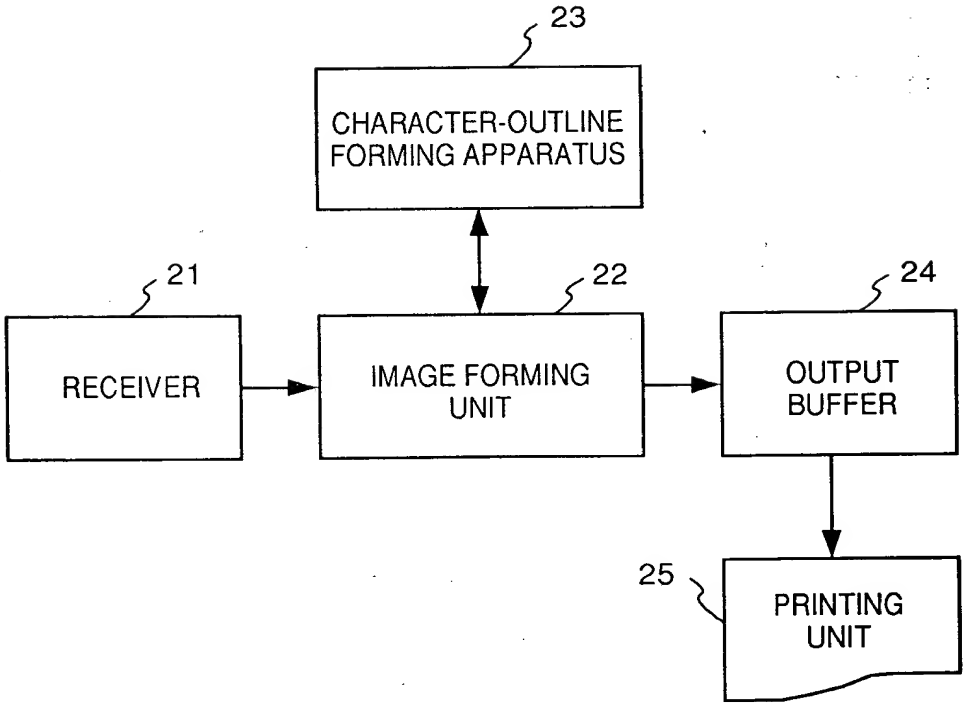

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FIG. 3

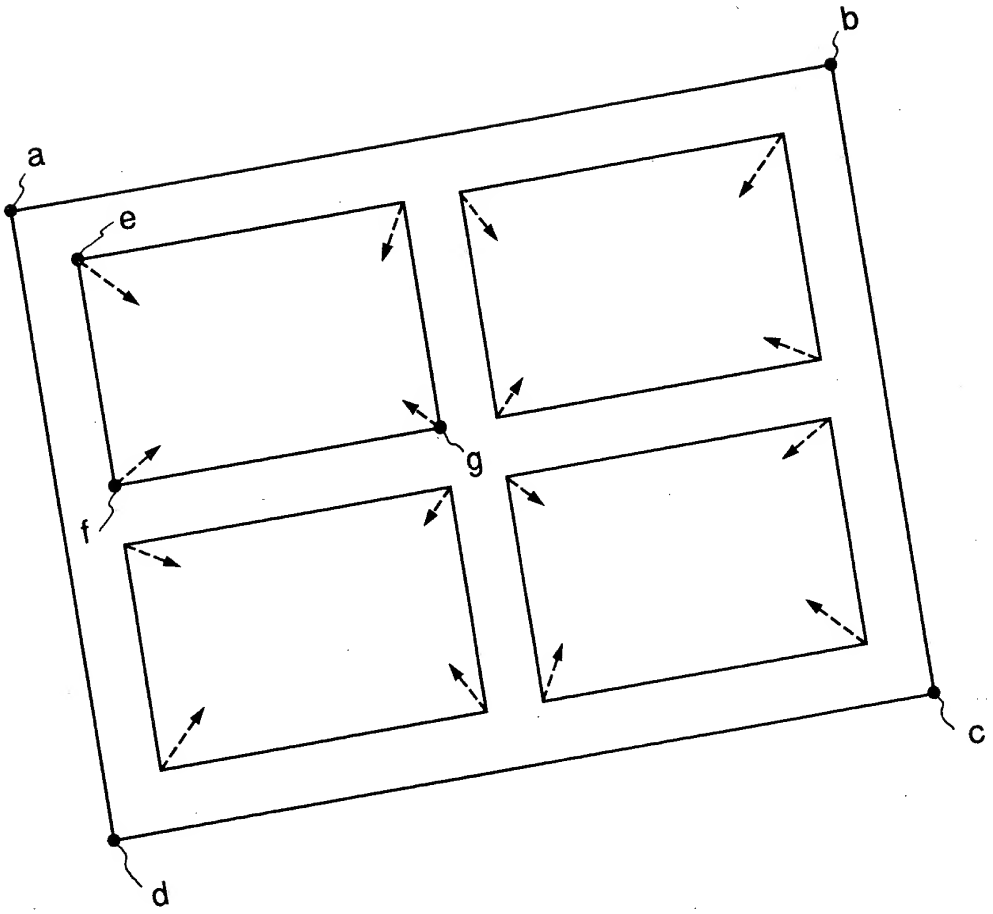

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FIG. 4

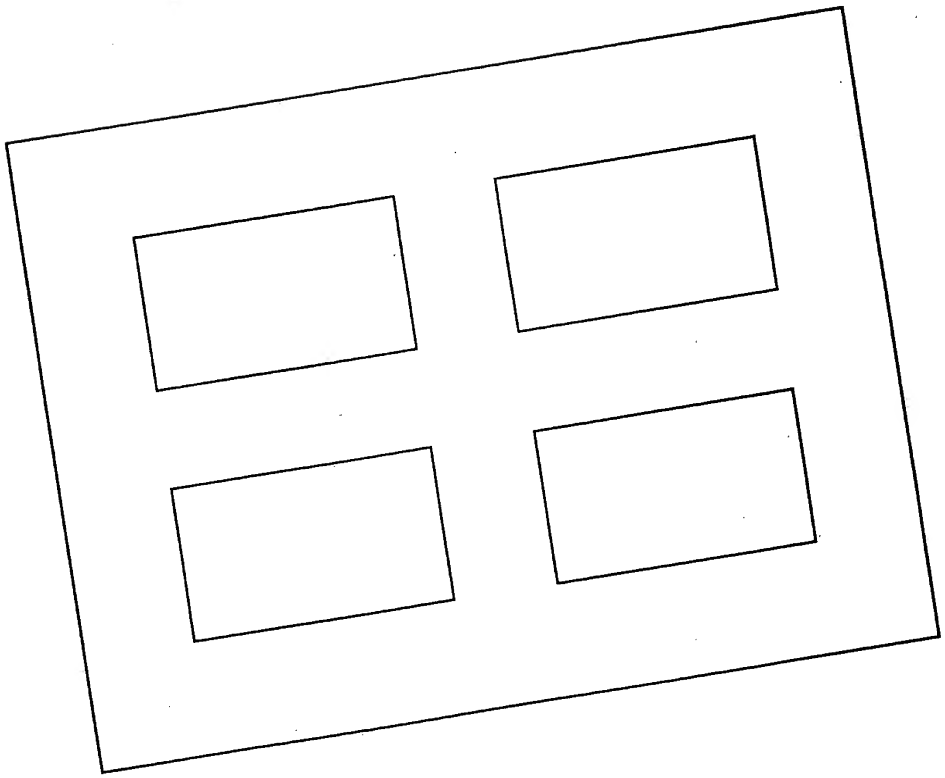

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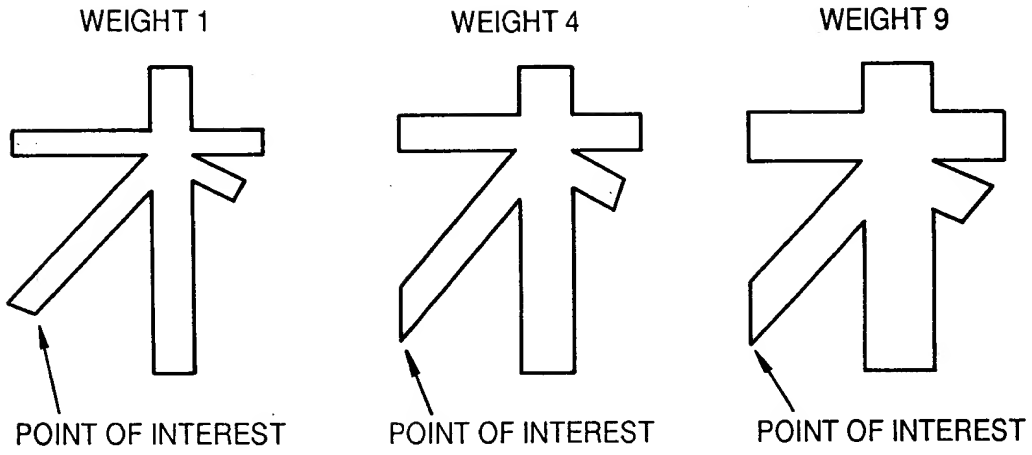
FIG. 5



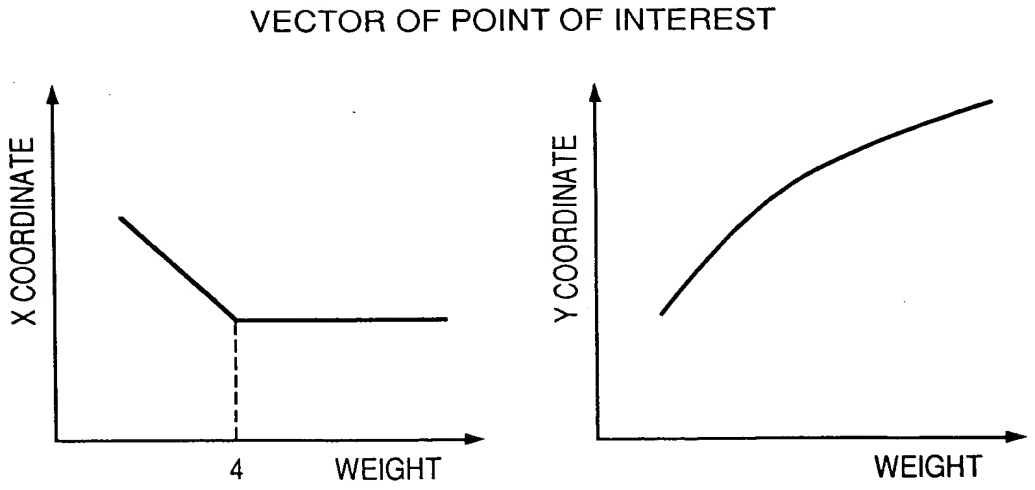


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FIG. 6

	FLAG 1	FLAG 2	FLAG 3	FLAG 4	X	Y	VEC-X	VEC-Y
CONTROL-POINT a	START	STR-LINE	0	0	50	50		
CONTROL-POINT b		STR-LINE	0	0	800	50		
CONTROL-POINT c		STR-LINE	0	0	800	600		
CONTROL-POINT d	END	STR-LINE	0	0	50	600		
CONTROL-POINT e	START	STR-LINE	1	1	100	100	50	50
CONTROL-POINT f		STR-LINE	1	1	100	300	50	-20
CONTROL-POINT g		STR-LINE	1	1	400	300	-20	-20

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FIG. 7

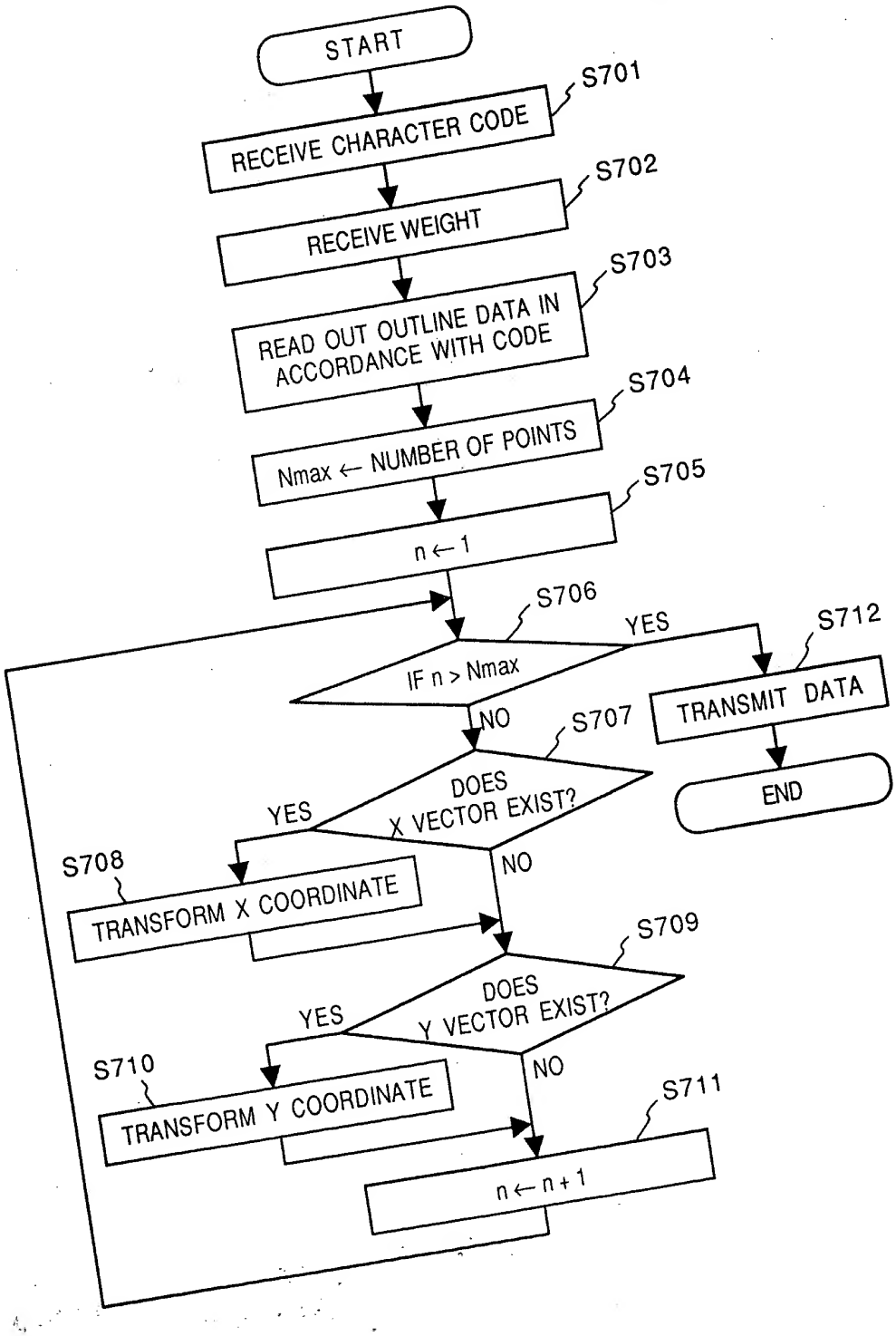

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FIG. 8A

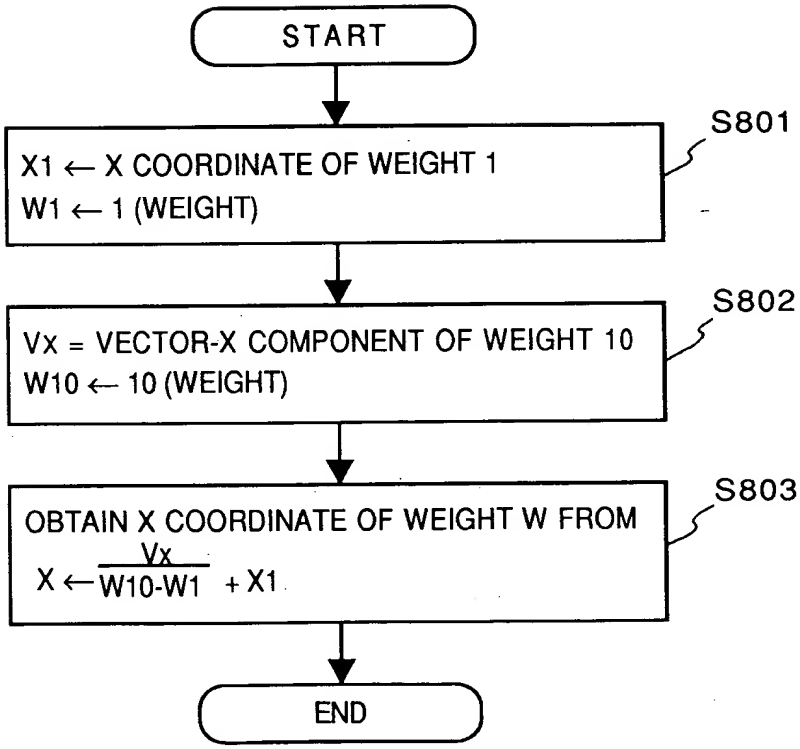

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FIG. 8B

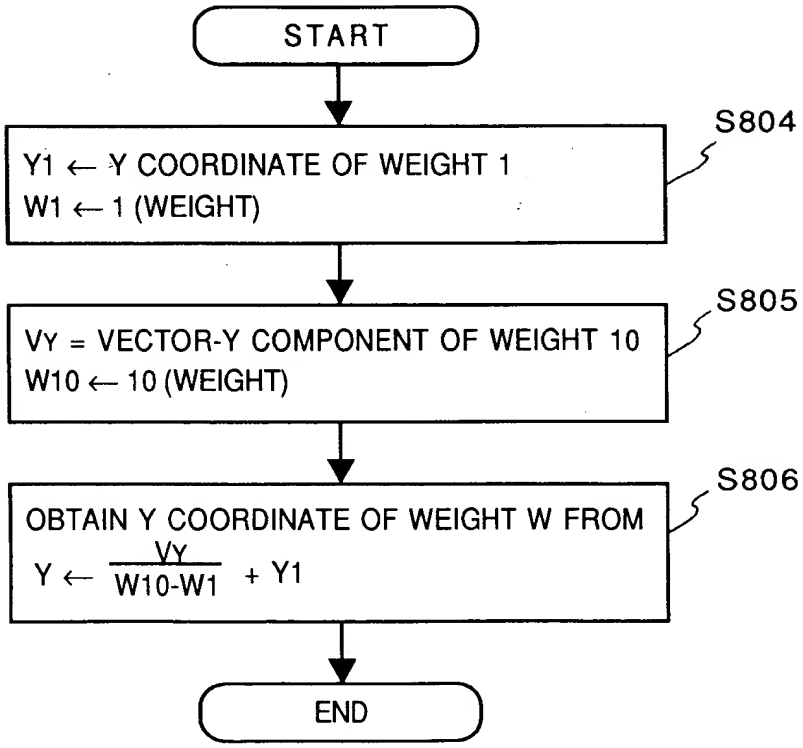

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FIG. 9

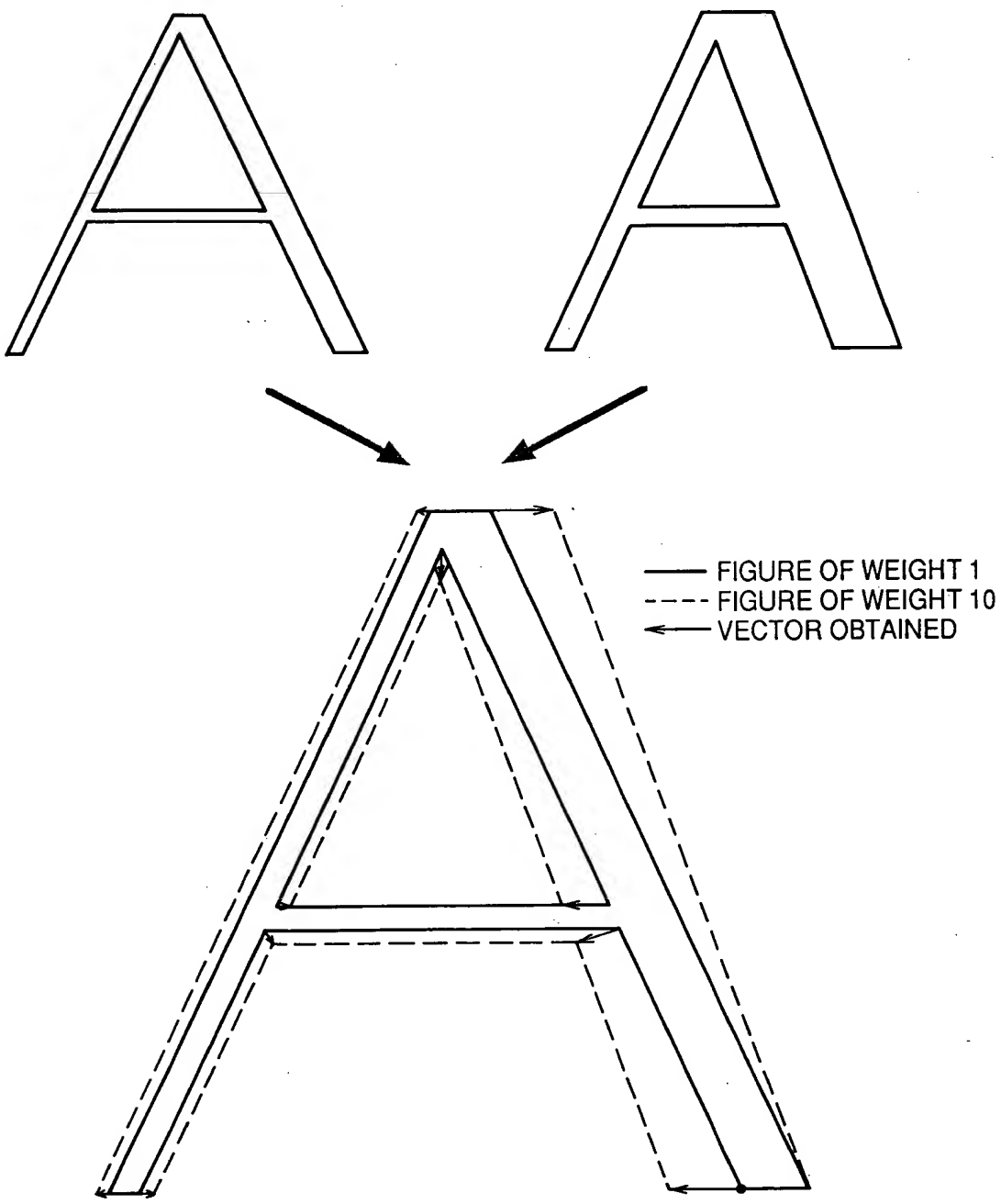

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FIG. 10

CONTROL-POINT MOVEMENT VECTOR
FIGURE OF WEIGHT 1
CONTROL-POINT MOVEMENT VECTOR

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FIG. 11

FLAG 1	FLAG 2	FLAG 3	FLAG 4	X	Y	VEC-X1	VEC-Y1	VEC-X2	VEC-Y2	VEC-X3	VEC-Y3
START	STR-LINE	0	1	100	130		-40				
	ST-C	1	1	343	100	-10	-15				
	INT-C	2	2	511	100	-20	28	-5	10.3		
	INT-C	3	2	511	410	-22	-43	-14	-10	-2.5	
	EN-C	1	1	343	410	-10	16				
END	STR-LINE	0	1	100	380		40				
START	STR-LINE	1	1	130	200	14	31				
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮

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FIG. 12

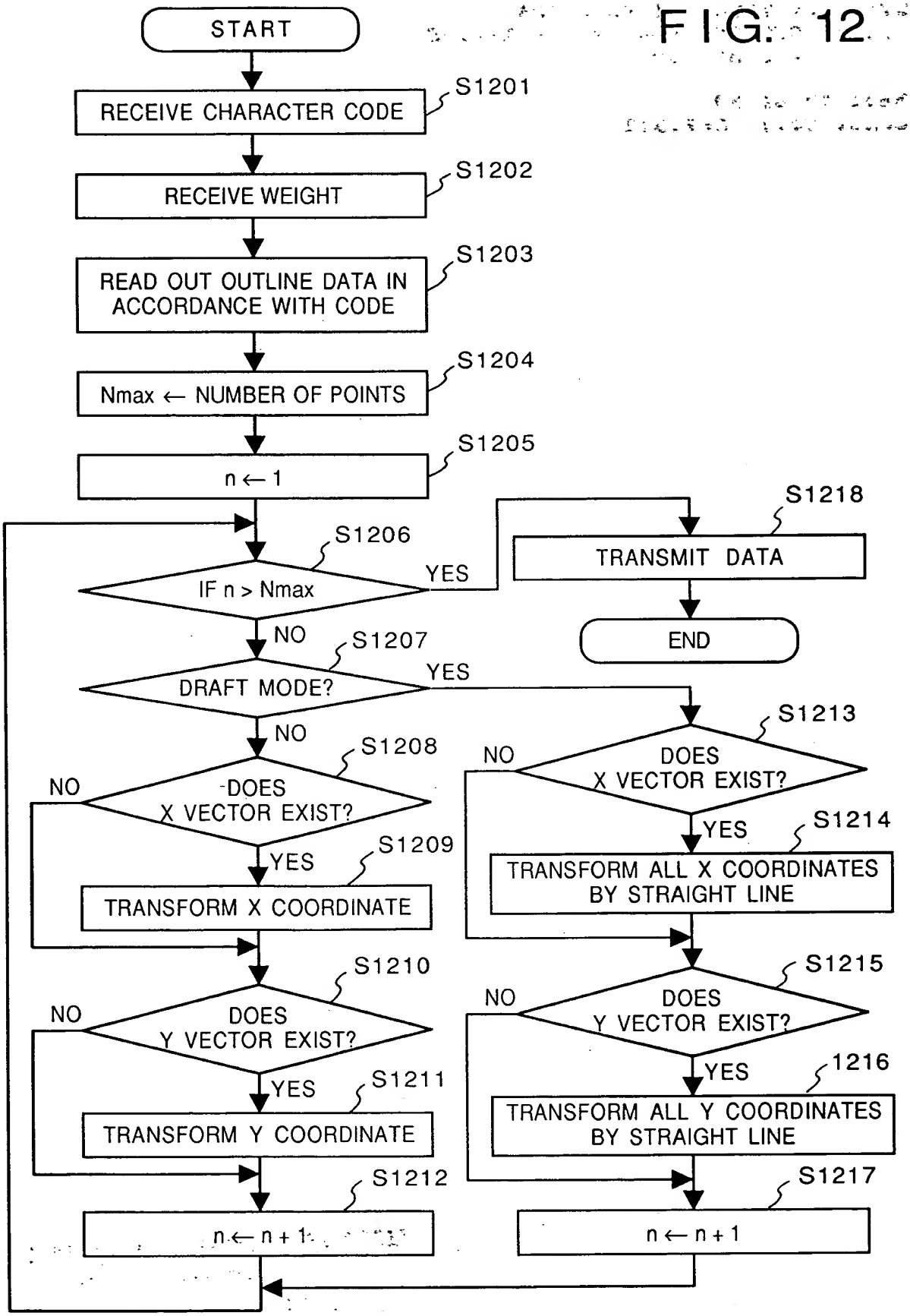

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FIG. 13

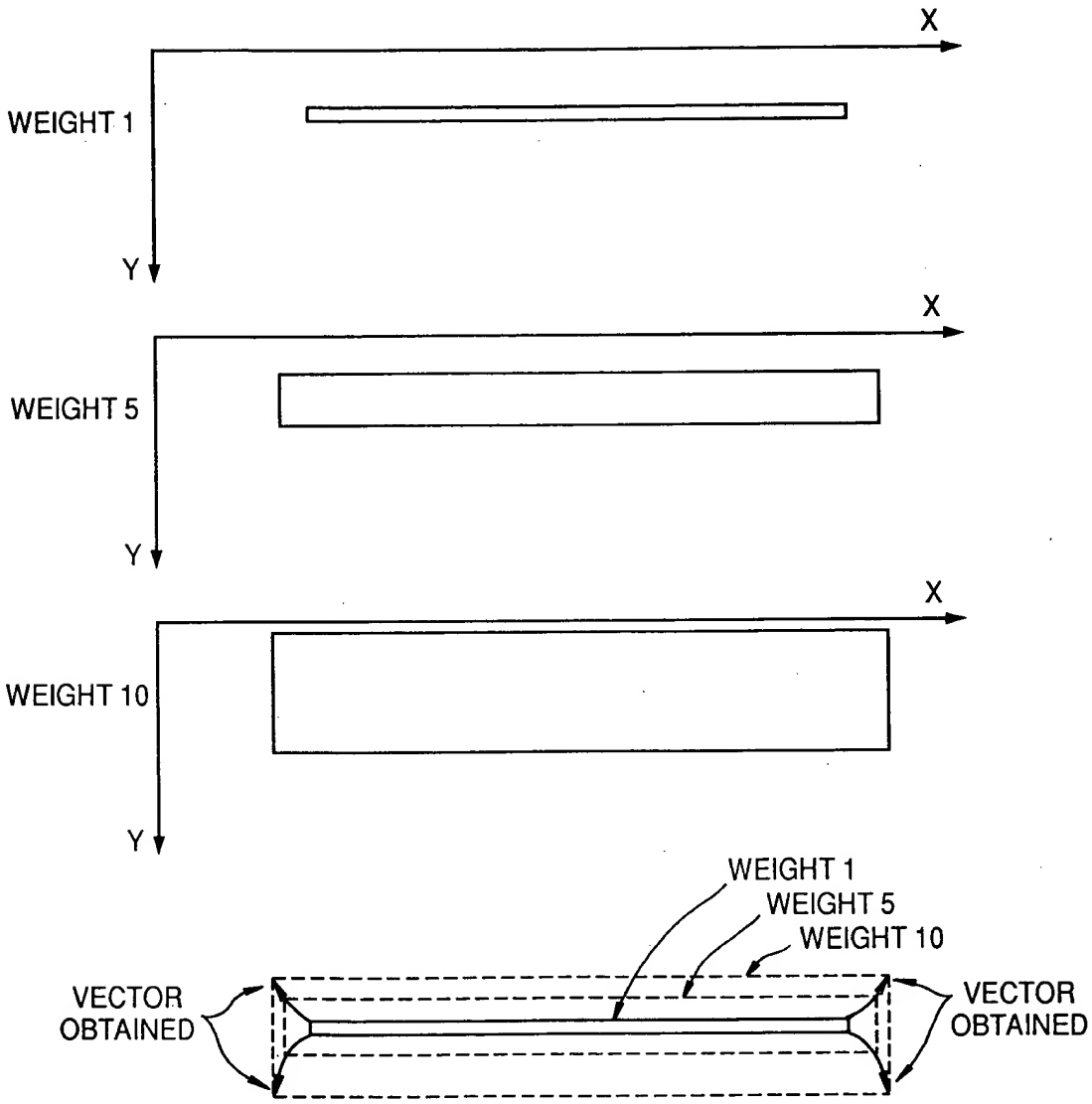

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FIG. 14

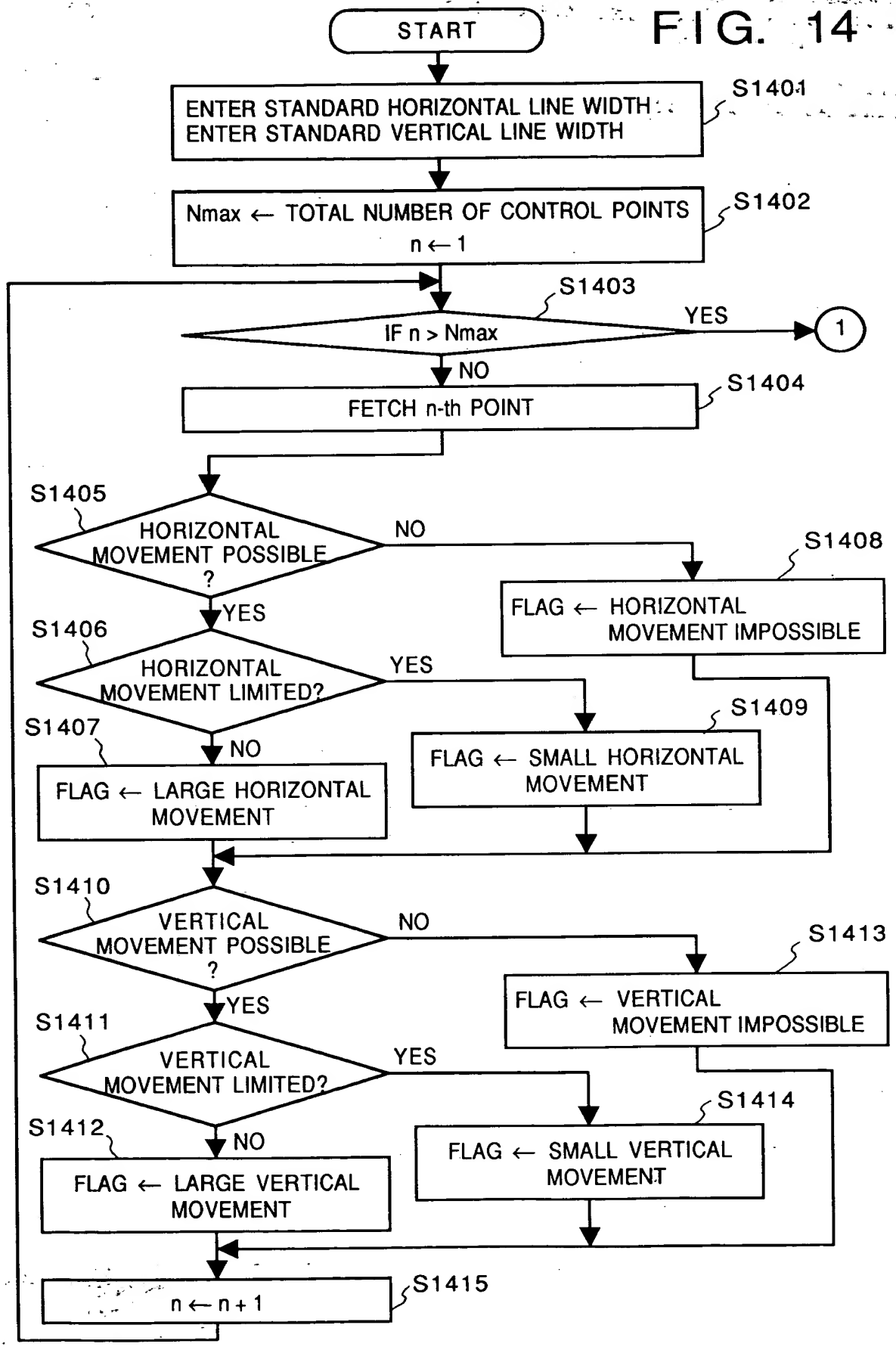

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FIG. 15

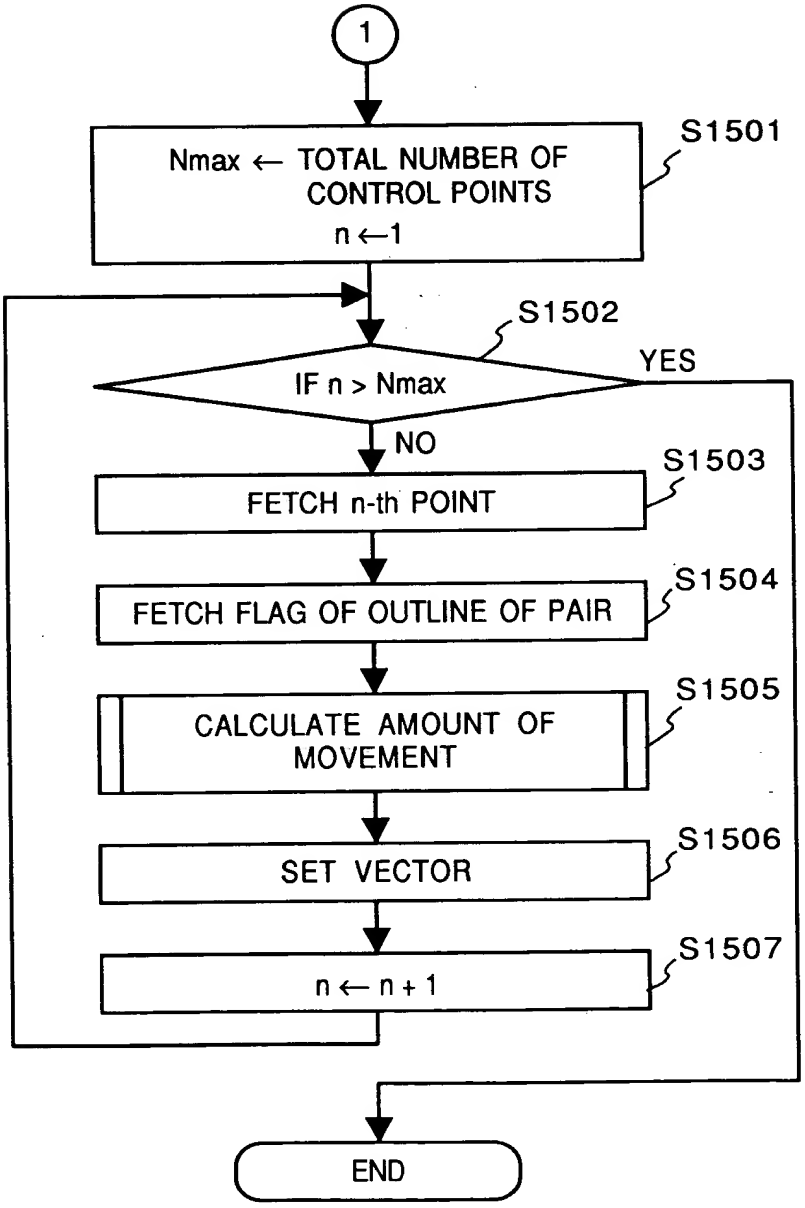

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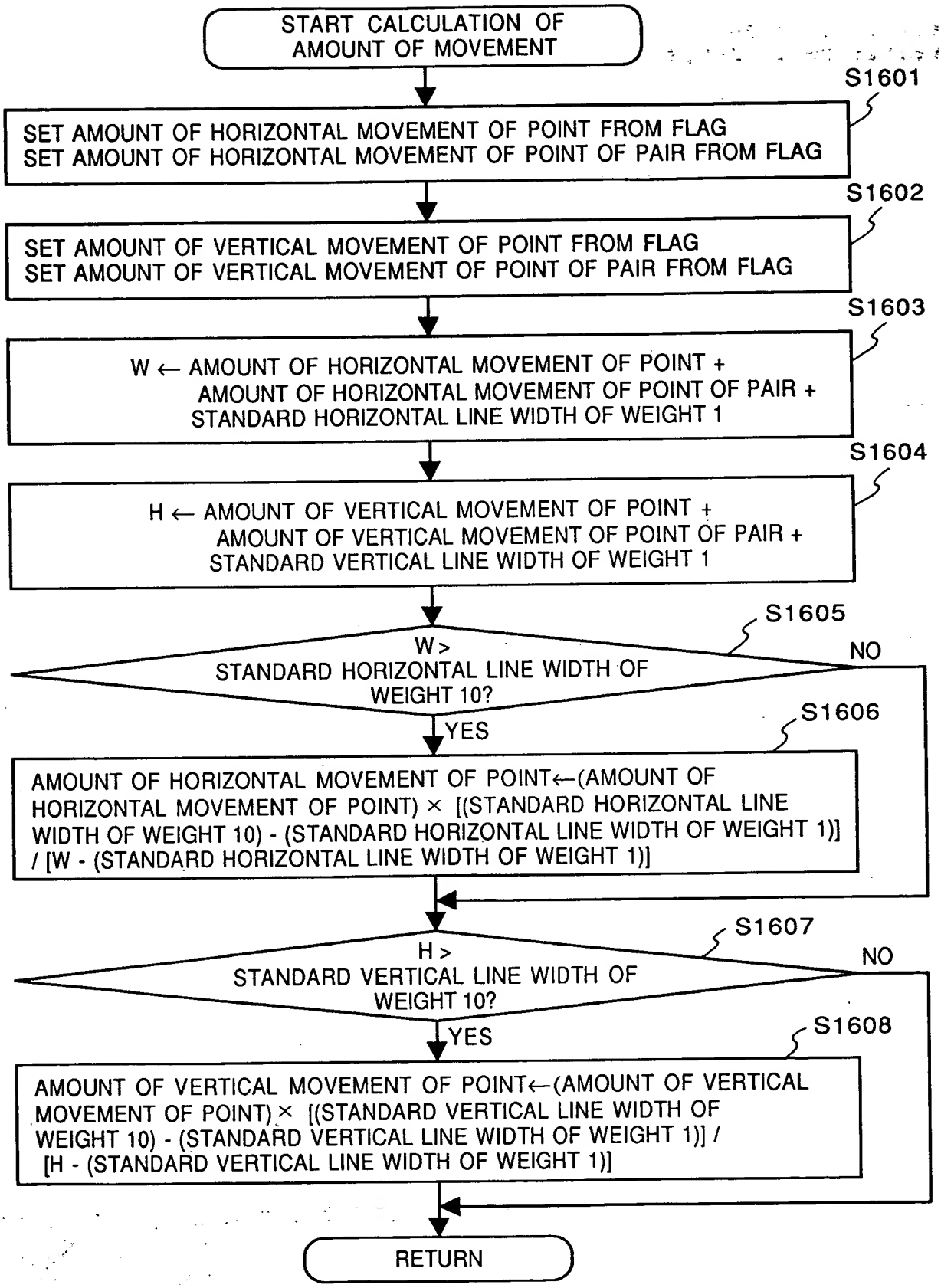
FIG. 16



0 0 9 0 3 6 9 - 0 0 0 2 0 6

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FIG. 17

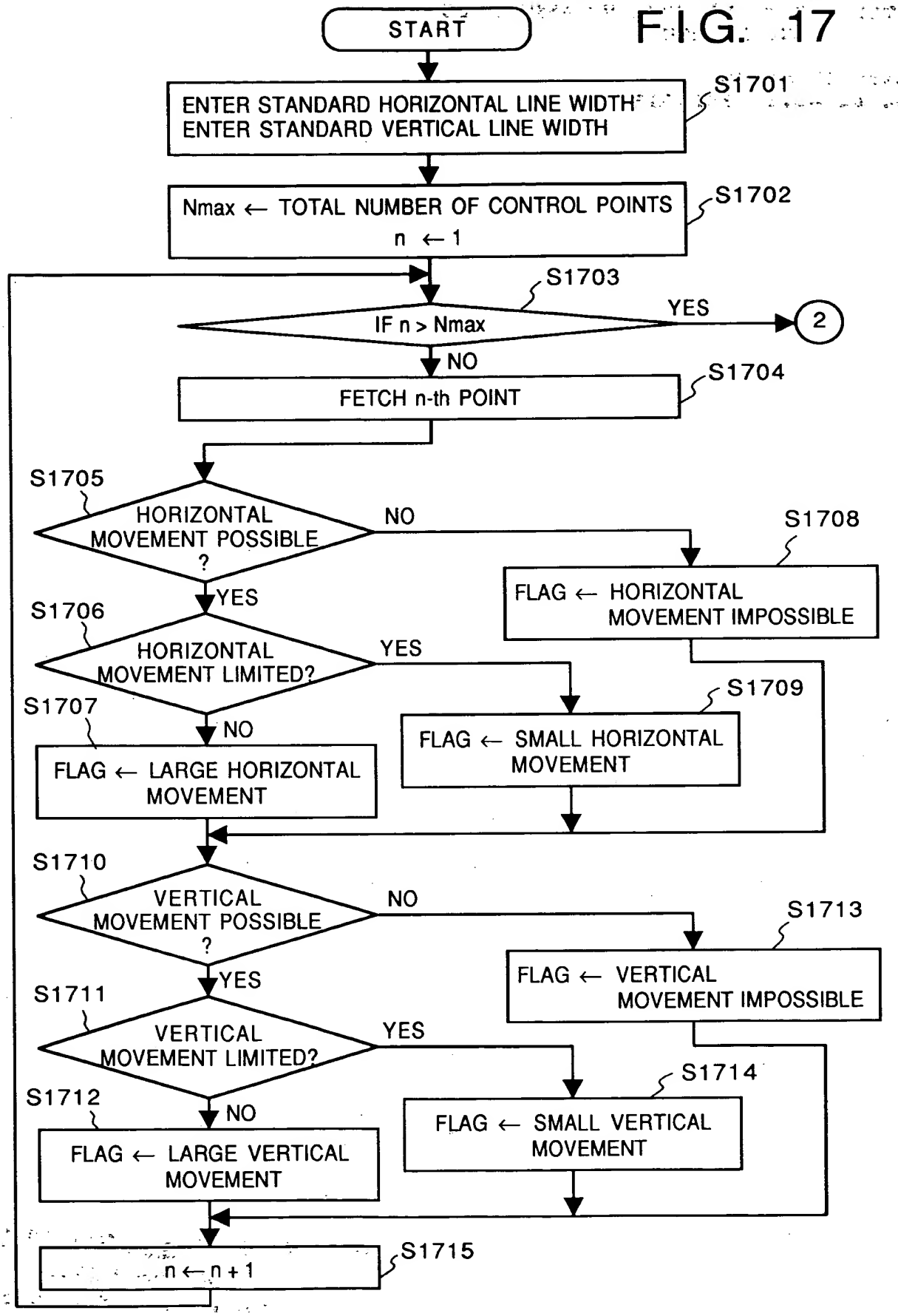

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FIG. 18

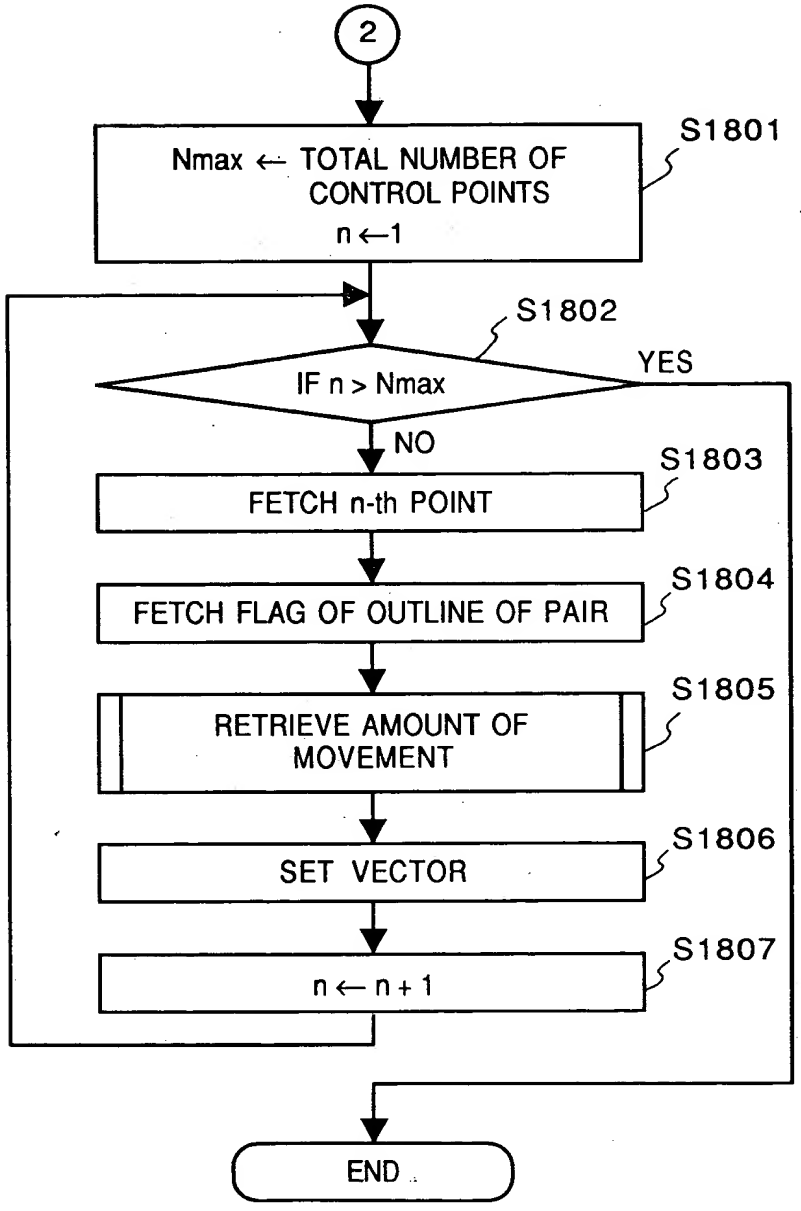

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FIG. 19

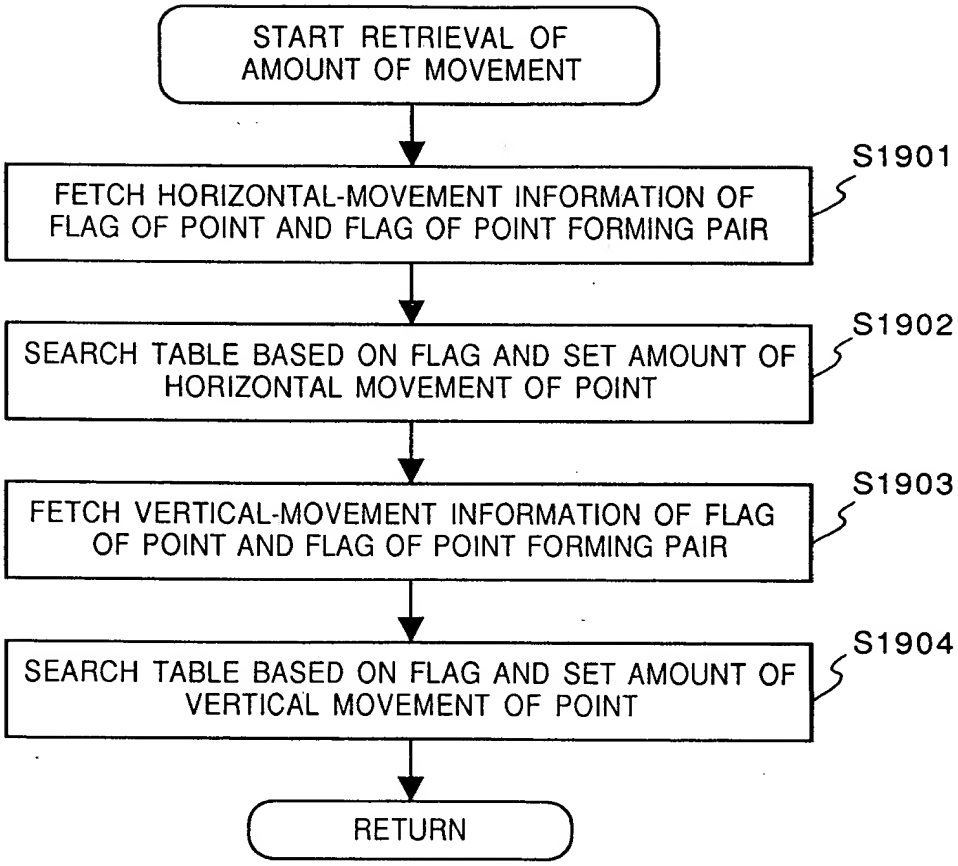

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FIG. 20

HORIZONTAL-MOVEMENT TABLE

FLAG OF POINT	FLAG OF POINT OF PAIR	ABSOLUTE VALUE OF AMOUNT OF MOVEMENT
MOVEMENT IMPOSSIBLE	MOVEMENT IMPOSSIBLE	0
MOVEMENT IMPOSSIBLE	SMALL AMOUNT OF MOVEMENT	0
MOVEMENT IMPOSSIBLE	LARGE AMOUNT OF MOVEMENT	0
SMALL AMOUNT OF MOVEMENT	MOVEMENT IMPOSSIBLE	10
SMALL AMOUNT OF MOVEMENT	SMALL AMOUNT OF MOVEMENT	16
SMALL AMOUNT OF MOVEMENT	LARGE AMOUNT OF MOVEMENT	7
LARGE AMOUNT OF MOVEMENT	MOVEMENT IMPOSSIBLE	20
LARGE AMOUNT OF MOVEMENT	SMALL AMOUNT OF MOVEMENT	13
LARGE AMOUNT OF MOVEMENT	LARGE AMOUNT OF MOVEMENT	10

0 0 5 3 0 9 6 0 5 6 5 5 0 8

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FIG. 21

VERTICAL-MOVEMENT TABLE

FLAG OF POINT	FLAG OF POINT OF PAIR	ABSOLUTE VALUE OF AMOUNT OF MOVEMENT
MOVEMENT IMPOSSIBLE	MOVEMENT IMPOSSIBLE	0
MOVEMENT IMPOSSIBLE	SMALL AMOUNT OF MOVEMENT	0
MOVEMENT IMPOSSIBLE	LARGE AMOUNT OF MOVEMENT	0
SMALL AMOUNT OF MOVEMENT	MOVEMENT IMPOSSIBLE	7
SMALL AMOUNT OF MOVEMENT	SMALL AMOUNT OF MOVEMENT	13
SMALL AMOUNT OF MOVEMENT	LARGE AMOUNT OF MOVEMENT	5
LARGE AMOUNT OF MOVEMENT	MOVEMENT IMPOSSIBLE	14
LARGE AMOUNT OF MOVEMENT	SMALL AMOUNT OF MOVEMENT	10
LARGE AMOUNT OF MOVEMENT	LARGE AMOUNT OF MOVEMENT	7

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FIG. 22

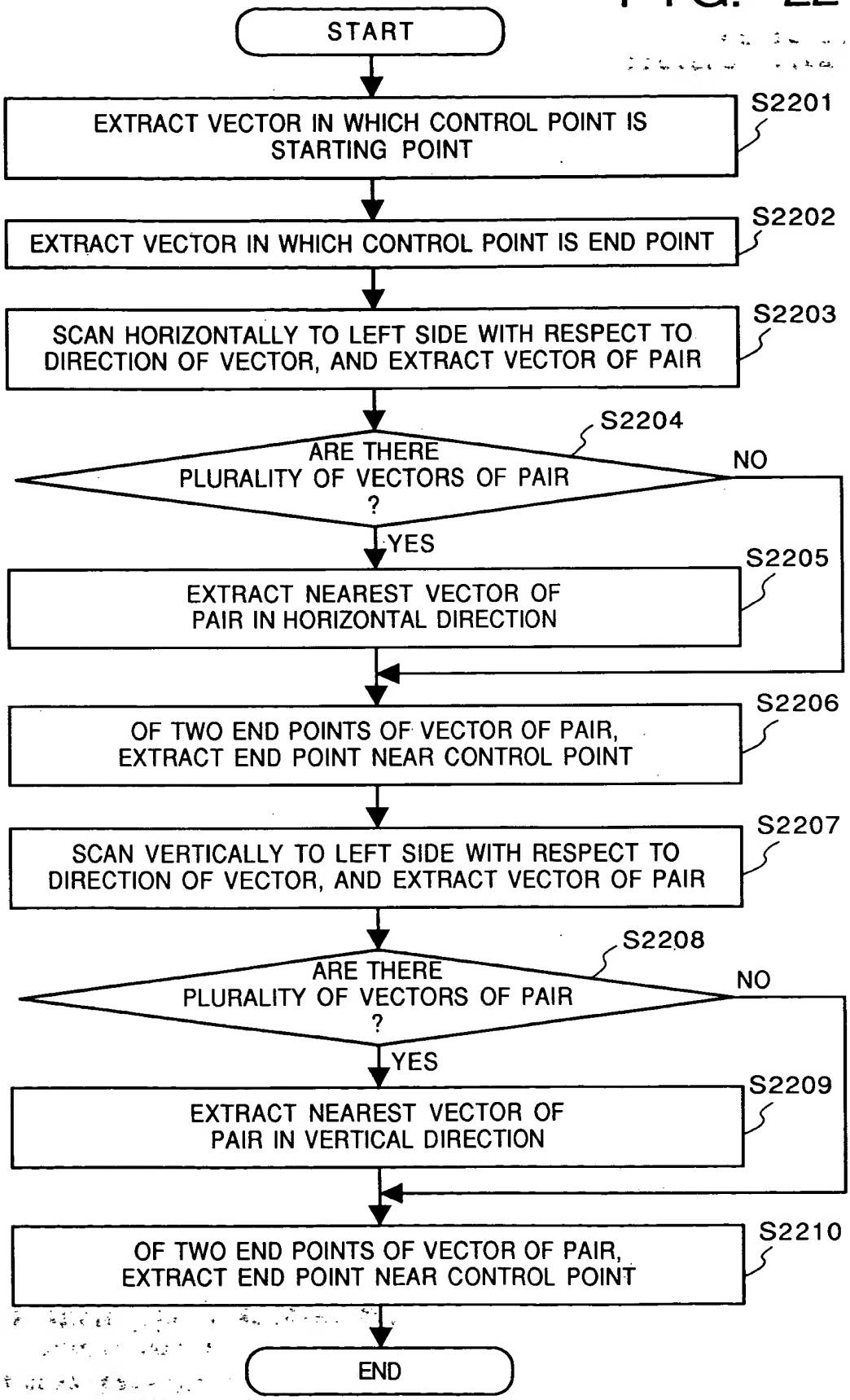

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FIG. 23

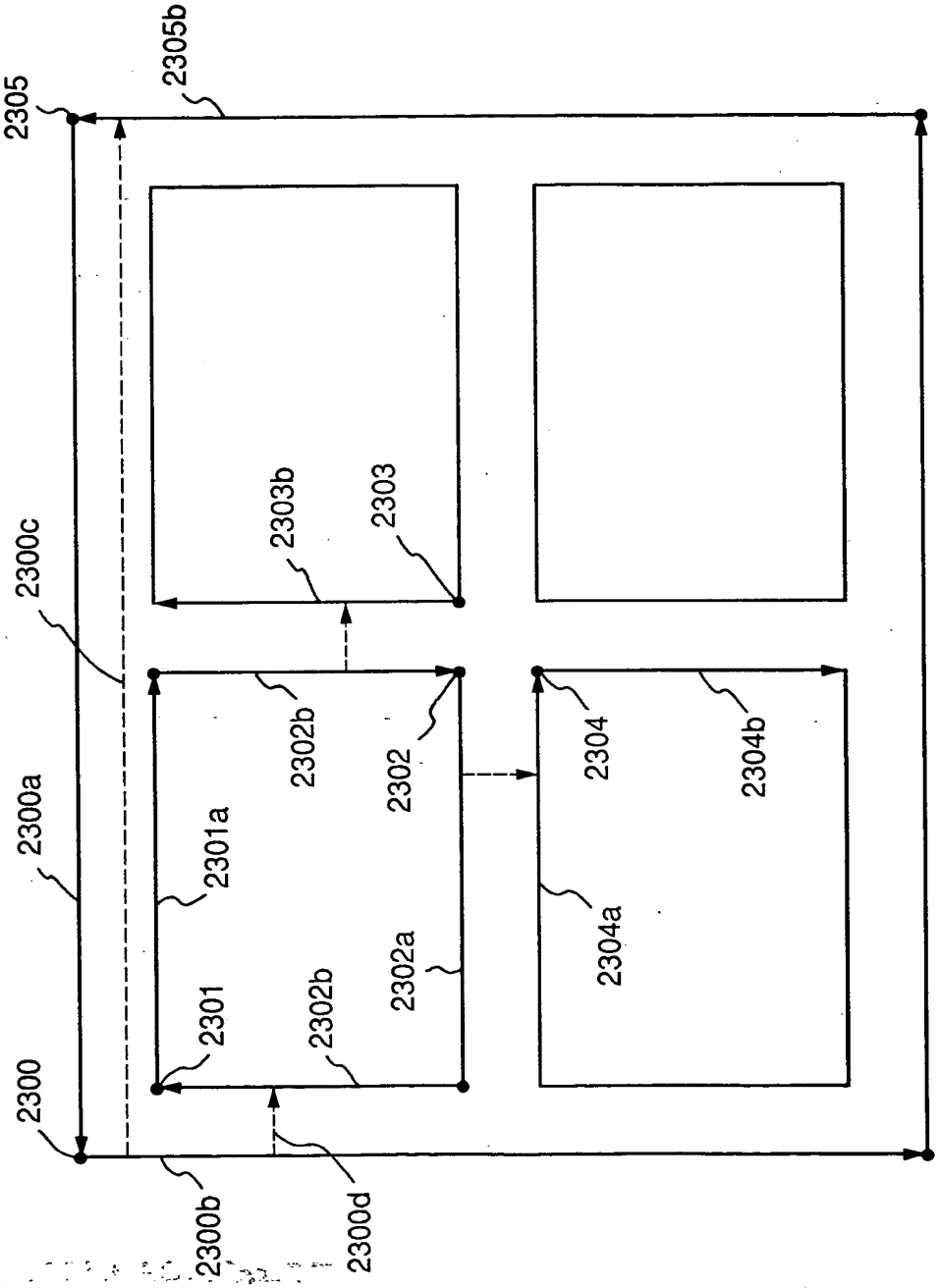

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FIG. 24

	FLAG 1	FLAG 2	FLAG 3	FLAG 4	FLAG 5	FLAG 6	X	Y	VEC-X1	VEC-Y1	VEC-X2	VEC-Y2
CONTROL-POINT a		STR-LINE	1	2	4	0	100	130	12	-40		-10
			0		0		112					
												10
									-25	20		
							200	410	-10	15		
CONTROL-POINT b		STR-LINE	1	2	5	3	175	420				
			1	1		7		435				
			0	0		0						

FIG. 25

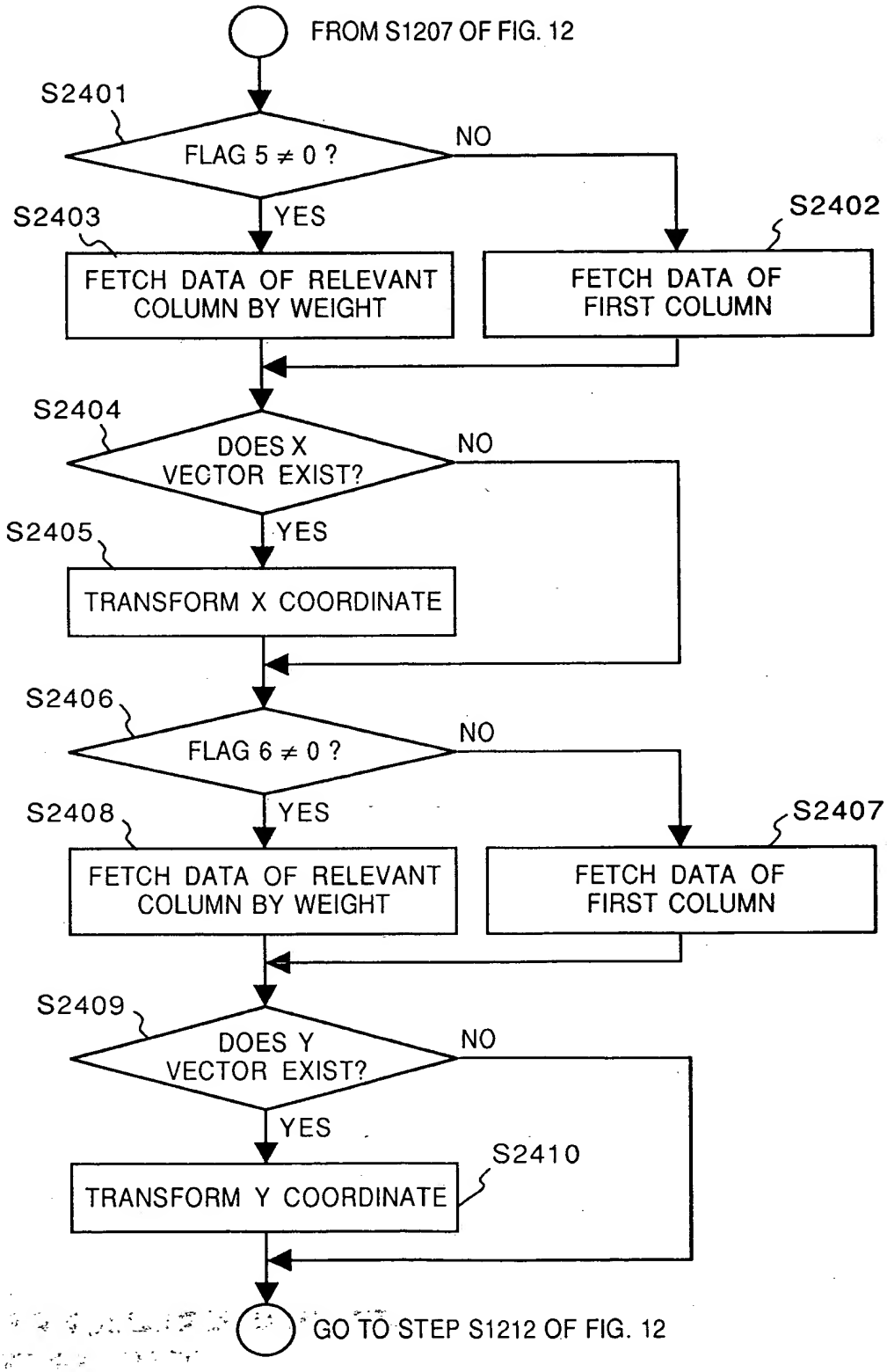
FROM S1207 OF FIG. 12
S2401
FLAG 5 ≠ 0 ?
NO
YES
S2403
FETCH DATA OF RELEVANT COLUMN BY WEIGHT
S2402
FETCH DATA OF FIRST COLUMN
S2404
DOES X VECTOR EXIST?
NO
YES
S2405
TRANSFORM X COORDINATE
S2406
FLAG 6 ≠ 0 ?
NO
YES
S2408
FETCH DATA OF RELEVANT COLUMN BY WEIGHT
S2407
FETCH DATA OF FIRST COLUMN
S2409
DOES Y VECTOR EXIST?
NO
YES
S2410
TRANSFORM Y COORDINATE
GO TO STEP S1212 OF FIG. 12

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FIG. 26

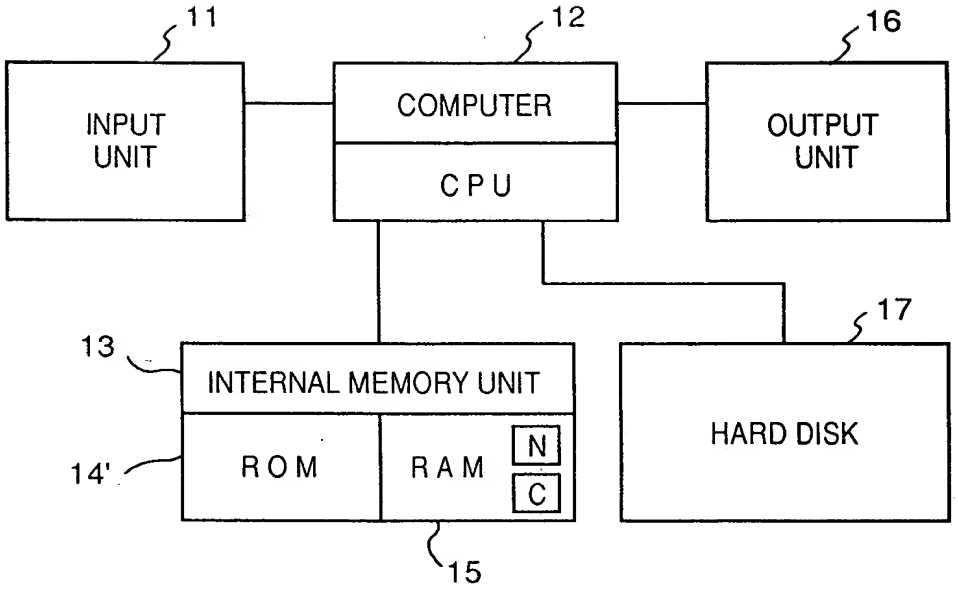

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FIG. 27

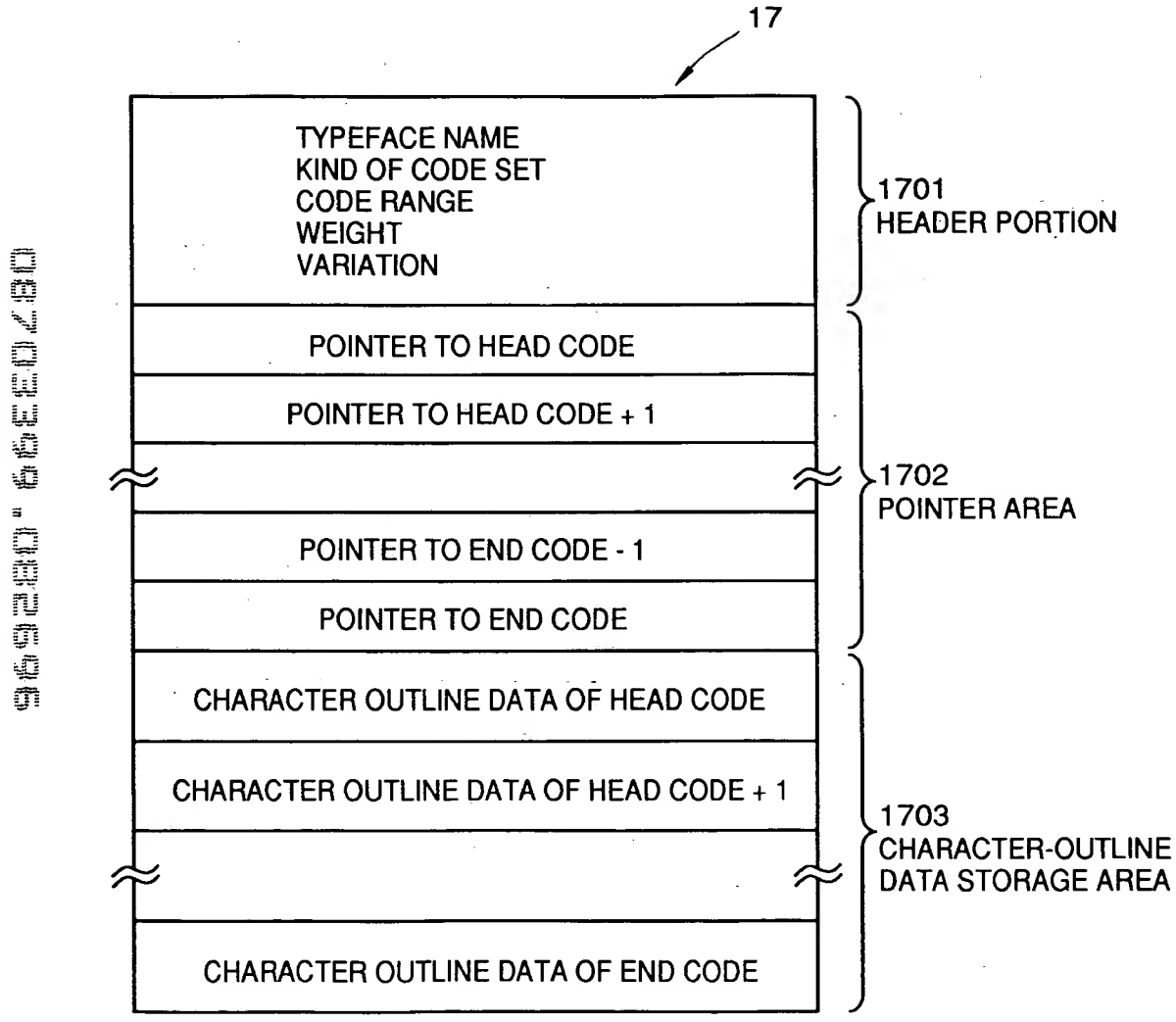

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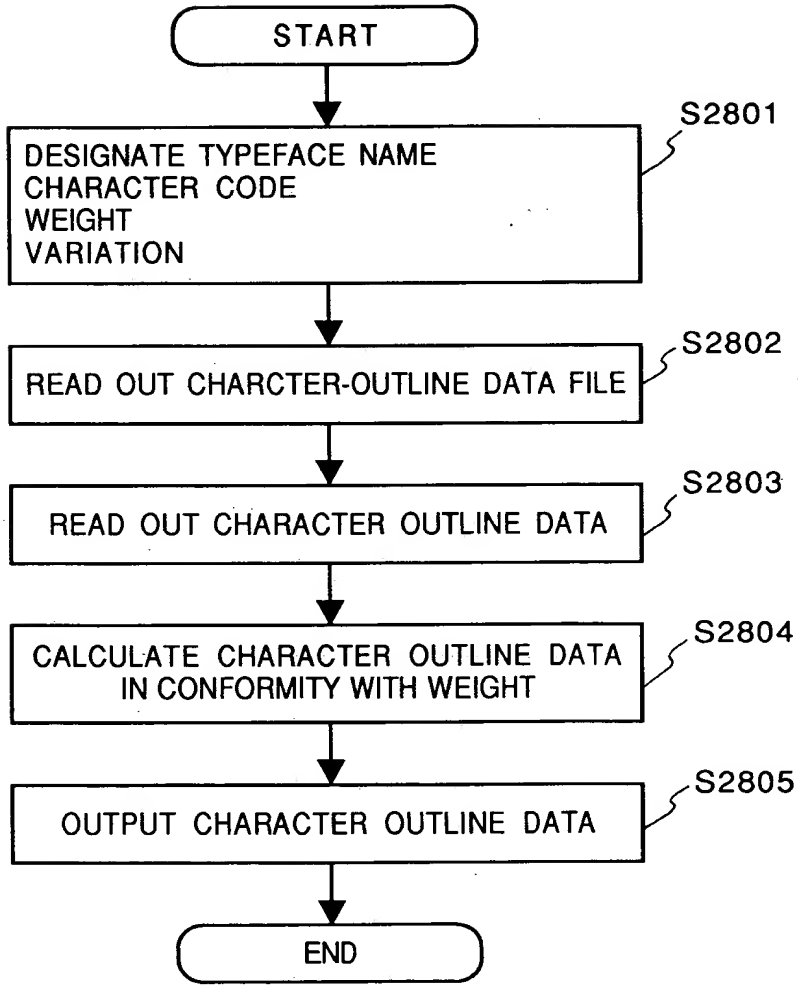
FIG. 28



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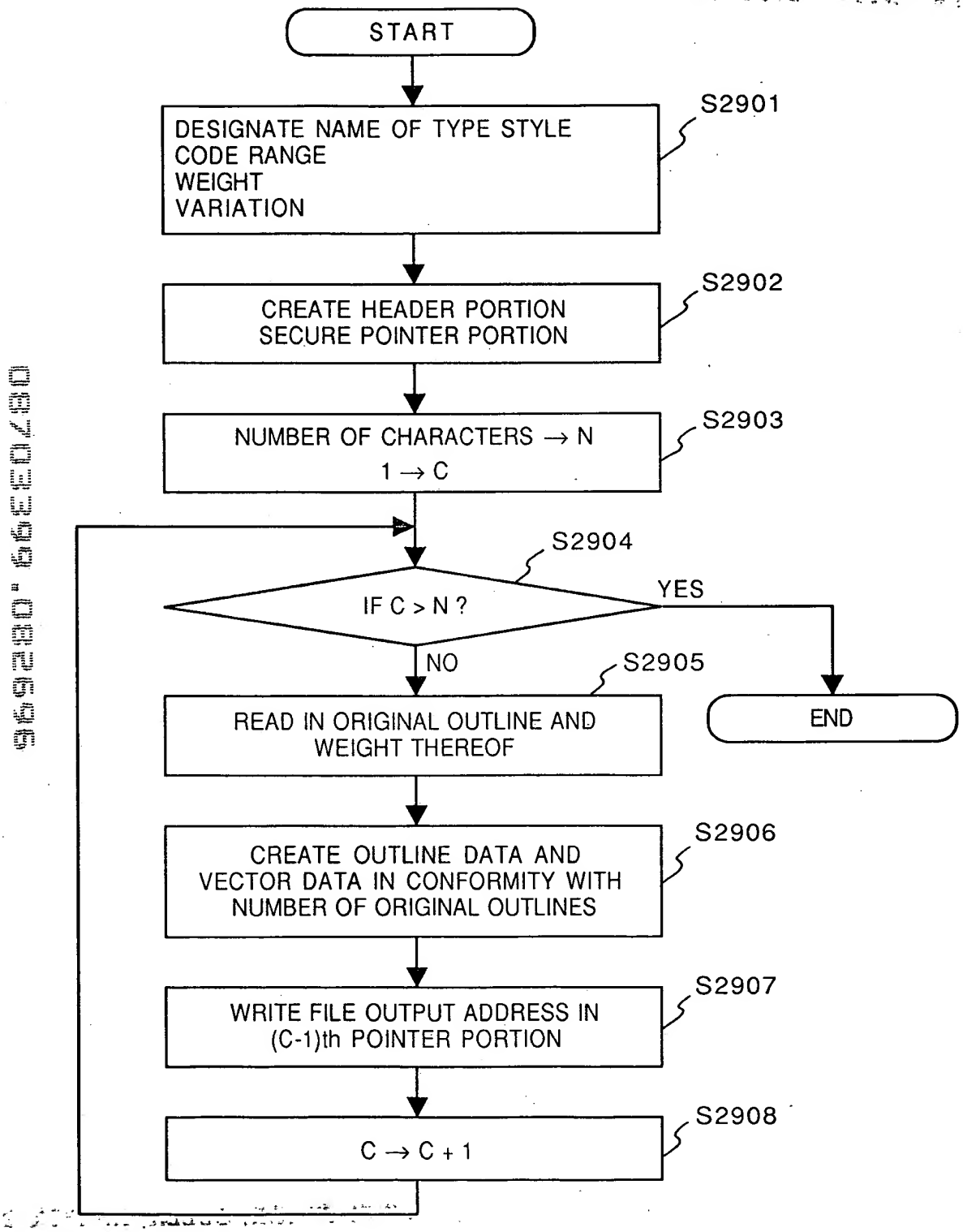
FIG. 29